

Customer Name: Theraplant, LLC
Customer Address: 856 Echo Lake Road
Watertown, CT 06795
Phone Number: 860-417-6481

Sample ID: 84112414-3 (Lot 13, Extract) Results issued on: 11-26-2014 COA No. 1023-C

Quality Control Analysis

| <u>Test</u> | <u>Specification</u> | <u>Results</u> <u>(Pass/Fail)</u> |
|---------------------|---|--------------------------------------|
| Microbiology | Total Aerobic Microbial Count (< 2K CFU/g) | Pass |
| | Total Yeast and Mold Count (< 200 CFU/g) | Pass |
| | Bile-tolerant Gram-negative Bacteria (absence) | Pass |
| | <i>Staph. aureus</i> (absence) | Pass |
| | <i>Pseud. aeruginosa</i> (absence) | Pass |
| Mycotoxins | Aflatoxin B1 (< 20 ug/Kg) | Pass |
| | Aflatoxin B2 (< 20 ug/Kg) | Pass |
| | Aflatoxin G1 (< 20 ug/Kg) | Pass |
| | Aflatoxin G1 (< 20 ug/Kg) | Pass |
| | Ochratoxin A (< 20 ug/Kg) | Pass |
| Heavy Metals | Arsenic - As (< 4.206 ug/g) | Pass |
| | Cadmium - Cd (< 2.704 ug/g) | Pass |
| | Mercury - Hg (< 8.712 ug/g) | Pass |
| | Lead - Pb (< 8.712 ug/g) | Pass |
| Pesticides | <i>See attachment A</i> | Pass |

Cannabinoid Analysis

Via Gas Chromatography (GC) Analysis

| Cannabinoid | Percent by Weight (w/w) |
|---|-------------------------|
| Δ^9 -Tetrahydrocannabinol (Δ^9 -THC) | |
| Cannabidiol (CBD) | |
| Cannabigerol (CBG) | |
| Cannabinol (CBN) | |

Via High Performance Liquid Chromatography (HPLC) Analysis

| Cannabinoid | Percent by Weight (w/w) |
|--|-------------------------|
| Δ^9 -Tetrahydrocannabinol Acid (Δ^9 -THC-A) | 18.60 % |
| Δ^9 -Tetrahydrocannabinol (Δ^9 -THC) | 45.52 % |
| Cannabidiol Acid (CBD-A) | 0.99 % |
| Cannabidiol (CBD) | 0.37 % |
| Cannabigerol Acid (CBG-A) | < 0.1 % |
| Cannabigerol (CBG) | 0.65 % |
| Cannabinol (CBN) | 0.21 % |
| Cannabichromene (CBC) | 0.54 % |

Terpenoid Analysis

Via Gas Chromatography Mass Spectrometry (GC-MS) Analysis

| Terpene | Percent by Weight (w/w) |
|------------------------|-------------------------|
| α -Pinene | 0.06% |
| β -Pinene | 0.05% |
| Limonene | 0.06% |
| β -Myrcene | 0.71% |
| β -Caryophyllene | 0.29% |
| Humulene | 0.12% |


Results Approved by: Jose A. Zavaleta, Director

Attachment A

| Pesticide | Residue limits according to EPA in parts per billion (ppb) | Results |
|-----------------------------------|---|---------|
| Avermectin (abamectin) | < 10 | Pass |
| Acequinocyl | < 20 | Pass |
| Bifenazate | < 100 | Pass |
| Bifenthrin (synthetic pyrethroid) | < 50 | Pass |
| Cyfluthrin (synthetic pyrethroid) | < 20 | Pass |
| Etoxazole | < 10 | Pass |
| Imazalil | < 100 | Pass |
| Imidacloprid | < 50 | Pass |
| Myclobutanil | < 20 | Pass |
| Paclobutrazol | < 400 | Pass |
| Pyrethrins (synthetic) | < 50 | Pass |
| Spinosad | < 10 | Pass |
| Spiromesifen | < 20 | Pass |
| Spirotetramat | < 200 | Pass |
| Trifloxystrobin | < 50 | Pass |